

Title (en)

ELECTRONIC DEVICE AND CONTROL METHOD THEREOF

Title (de)

ELEKTRONISCHE VORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF ÉLECTRONIQUE ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 3702905 A4 20210106 (EN)

Application

EP 19757983 A 20190102

Priority

- KR 20180021876 A 20180223
- KR 2019000036 W 20190102

Abstract (en)

[origin: EP3702905A1] Disclosed is an electronic device. The electronic device comprises: a microphone comprising circuitry; a speaker comprising circuitry; and a processor electrically connected to the microphone and speaker, wherein the processor, when a first user's voice is input through the microphone, identifies a user who uttered the first user's voice and provides a first response sound, which is obtained by inputting the first user's voice to an artificial intelligence model learned through an artificial intelligence algorithm, through the speaker, and when a second user's voice is input through the microphone, identifies a user who uttered the second user's voice, and if the user who uttered the first user's voice is the same as the user who uttered the second user's voice, provides a second response sound, which is obtained by inputting the second user's voice and utterance history information to the artificial intelligence model, through the speaker. In particular, at least some of the methods of providing a response sound to a user's voice may use an artificial intelligence model learned in accordance with at least one of a machine learning, neural network, or deep learning algorithm.

IPC 8 full level

G06F 3/16 (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP KR US)

G06F 3/00 (2013.01 - EP US); **G06F 3/005** (2013.01 - KR US); **G06F 3/01** (2013.01 - EP US); **G06F 3/011** (2013.01 - KR US); **G06F 3/16** (2013.01 - EP US); **G06F 3/167** (2013.01 - EP KR US); **G06F 18/20** (2023.01 - EP KR US); **G06V 40/171** (2022.01 - KR US); **G10L 17/18** (2013.01 - US); **G10L 17/22** (2013.01 - US)

Citation (search report)

No further relevant documents disclosed

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3702905 A1 20200902; **EP 3702905 A4 20210106**; CN 111587419 A 20200825; CN 111587419 B 20240621; KR 102515023 B1 20230329; KR 20190105182 A 20190916; KR 20230044165 A 20230403; US 11443749 B2 20220913; US 11709655 B2 20230725; US 2021027790 A1 20210128; US 2022375478 A1 20221124; US 2023305801 A1 20230928; WO 2019164120 A1 20190829

DOCDB simple family (application)

EP 19757983 A 20190102; CN 201980007993 A 20190102; KR 20180021876 A 20180223; KR 2019000036 W 20190102; KR 20230037918 A 20230323; US 201916967910 A 20190102; US 202217880169 A 20220803; US 202318328421 A 20230602